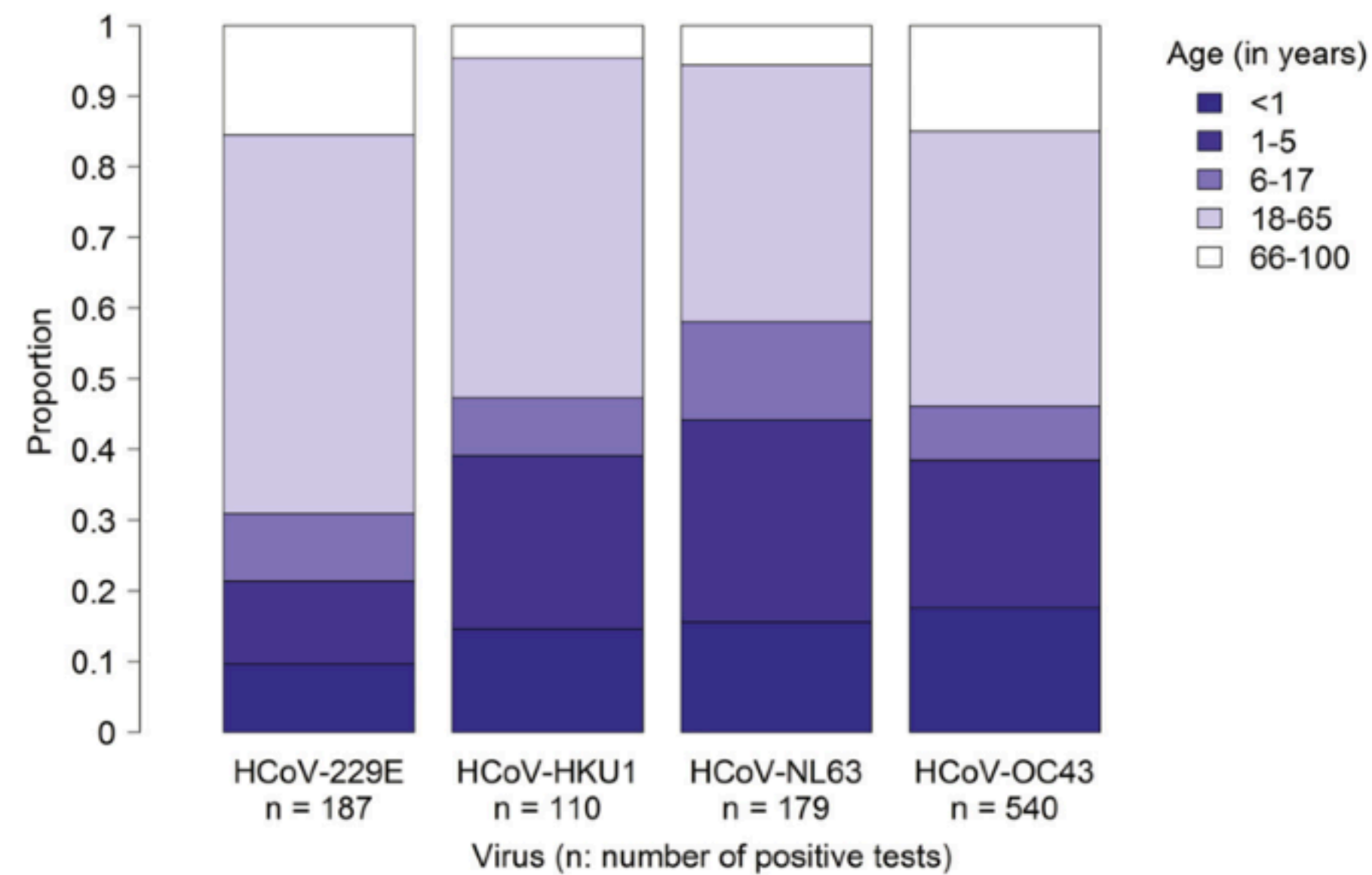
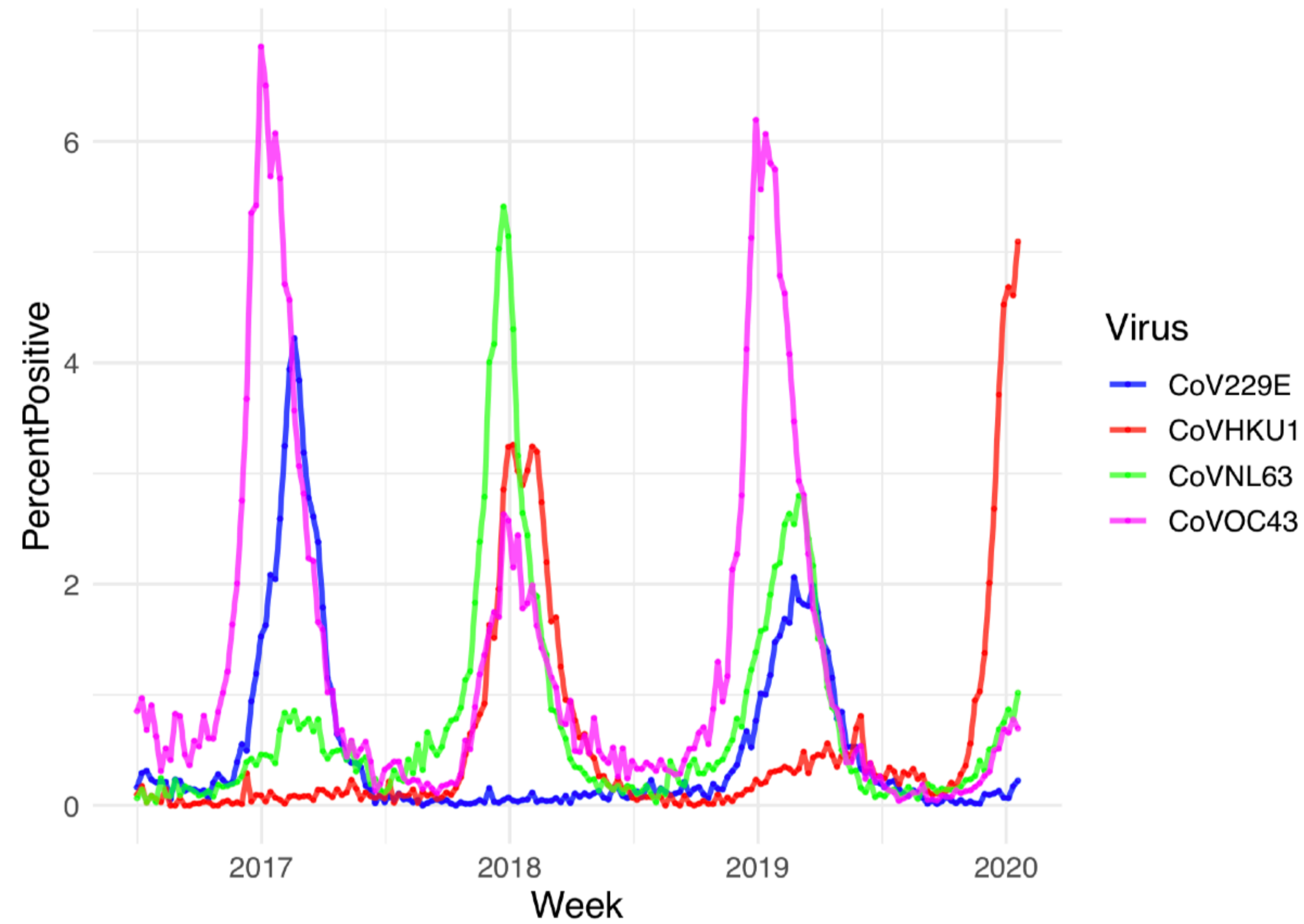
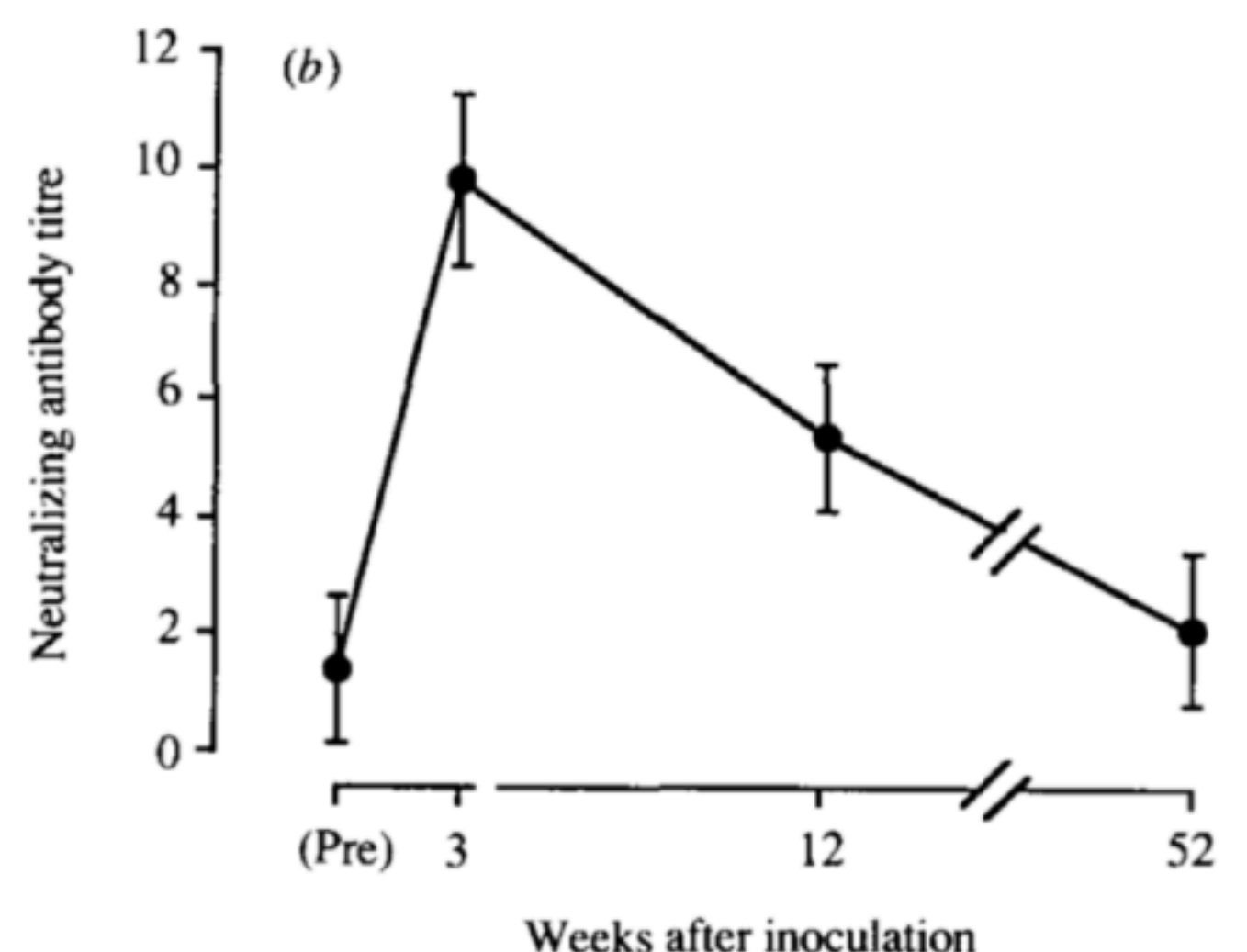


# Evidence of waning coronavirus immunity

Waning immunity 



Killerby et al. (2018), *Journal of Clinical Virology*



Callow et al. (1990), *Epidemiology and Infection* *Pre-modeling*

# Key questions

- Will SARS-CoV-2 spread in the summer months?
- Will SARS-CoV-2 enter into long-term seasonal circulation?
- How would cross-immunity from the other coronaviruses affect the pandemic?
- If we can't answer these questions now – what information do we need?